



# Built on Science: Immunization Programs and Partnerships in Washington

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**PUBLIC HEALTH**  
ALWAYS WORKING FOR A SAFER AND  
HEALTHIER COMMUNITY



# Disclosures

This activity is coprovided by WithinReach and Cardea Services.

Successful completion of this continuing education activity includes the following:

- Attend the entire conference
- Complete an online evaluation at <http://www.surveygizmo.com/s3/3840875/WA-Vaccine-Update-Learner-Evaluation>
- Complete an online certificate request at the link above

If you have any questions about this CE activity, contact Margaret Stahl at [seattle@cardeaservices.org](mailto:seattle@cardeaservices.org) or (206) 447-9538



# Disclosures

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# Disclosures

Richard Fischer, MD is a member of an Organon speaker's bureau.

Dr. Fischer does not participate in planning in which he has a conflict of interest, and he ensures that any content or speakers he suggests will be free of commercial bias.

None of the other planners and presenters of this CE activity have disclosed any conflict of interest including no relevant financial relationships with any commercial companies pertaining to this CE activity.

There is no commercial support for this presentation

# Acknowledgement

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# Learning Objectives

By the end of this session, you should be able to:

1. Describe how expected disease outbreaks in Washington can be addressed through vaccines
2. Describe tools/resources to increase immunization rates

# Welcome!



# Welcome!



## SCIENCE



# Why we are here

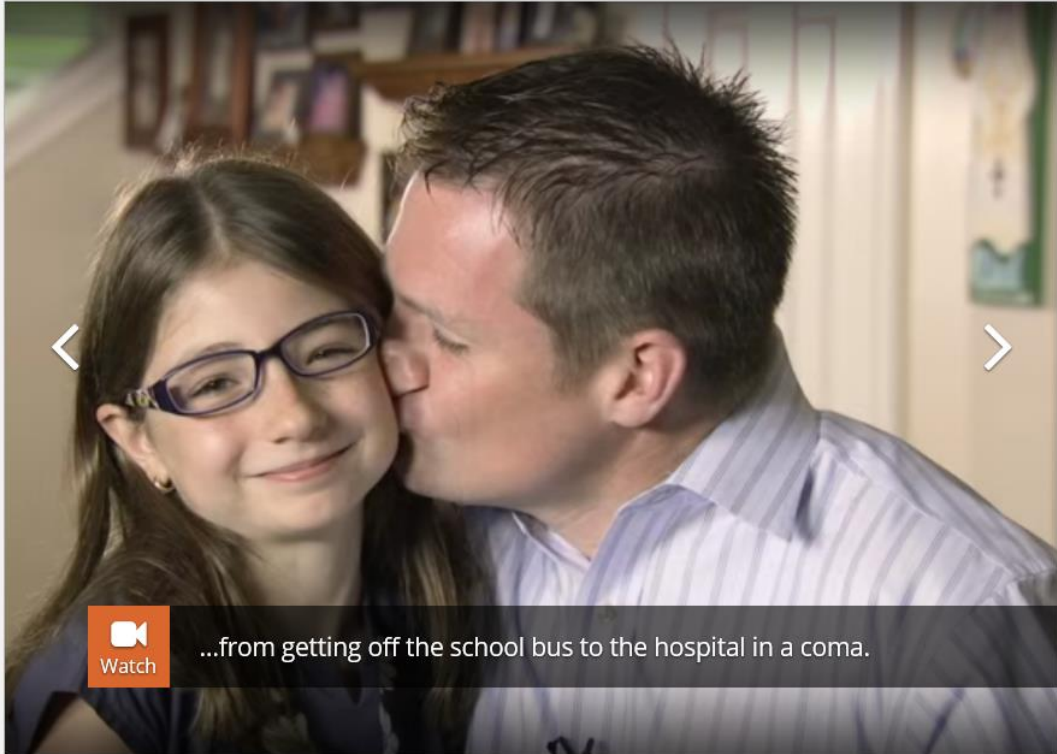


<https://www.facebook.com/bbcer/videos/1871294319554316/>

# The power of stories

**ShotByShot.org**  
stories of vaccine preventable diseases

[Home](#) | [Storytelling Tools](#) | [Partners](#) | [About Us](#)



 [Watch](#) ...from getting off the school bus to the hospital in a coma.

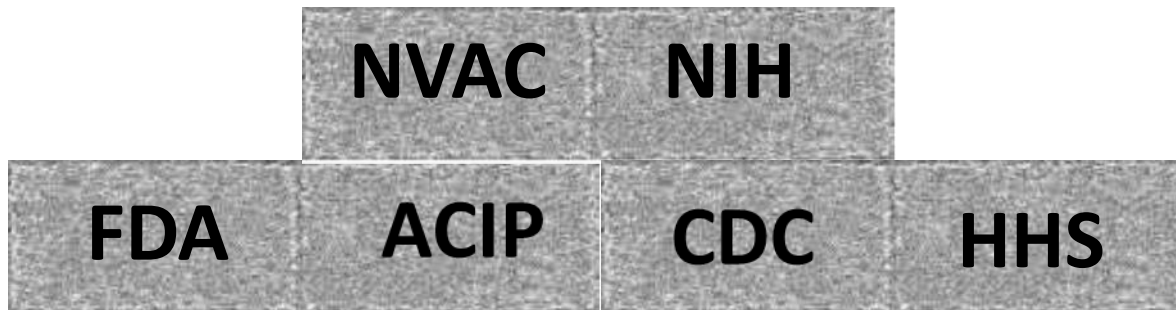
**FACING INFLUENZA**

[f](#) [t](#) [g+](#)

# A System Built on Science



# A System Built on Science



# Food and Drug Administration (FDA)



<https://www.fda.gov/BiologicsBloodVaccines/Vaccines/default.htm>



# Advisory Committee on Immunization Practices (ACIP)



# Centers for Disease Control and Prevention (CDC)



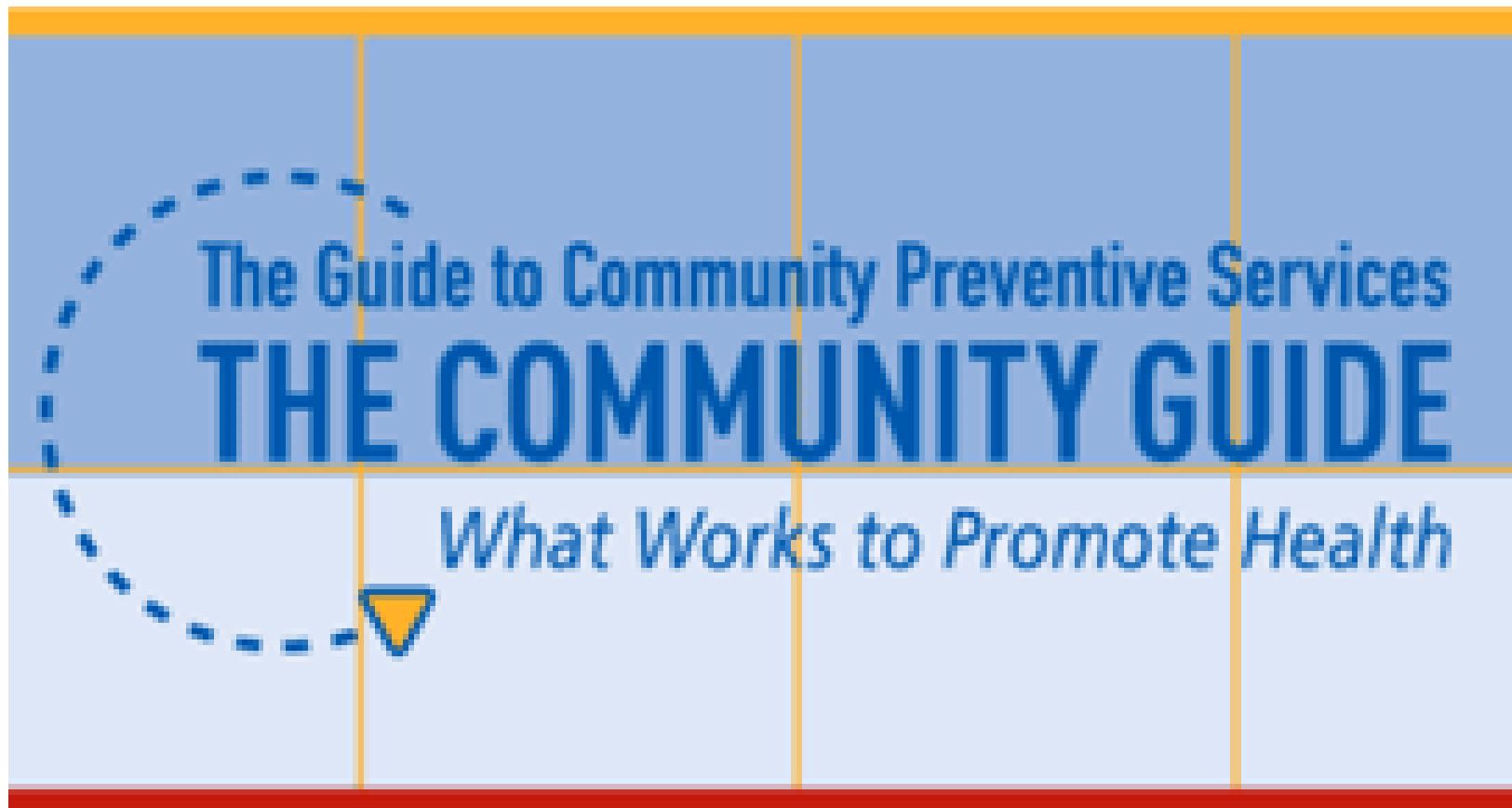


# A System Built on Science

<b>EBPH</b>	<b>NVAC</b>	<b>NIH</b>	<b>SAFETY</b>
<b>FDA</b>	<b>ACIP</b>	<b>CDC</b>	<b>HHS</b>



# Evidence-Based Public Health Interventions



<https://www.thecommunityguide.org/>

# POST-LICENSURE MONITORING

- Vaccine Adverse Events Reporting System (VAERS)
- Vaccine Safety Datalink (VSD) Project
- Clinical Immunization Safety Assessment (CISA) Centers
- Institute of Medicine (IOM) Vaccine Safety Reviews



SAFER • HEALTHIER • PEOPLE™  
DEPARTMENT OF HEALTH AND HUMAN SERVICES



[https://www.google.com/search?biw=1091&bih=562&tbm=isch&sa=1&q=post-licensure+monitoring+vaccine&oq=post-licensure+monitoring+vaccine&gs\\_l=psy-ab.3...2592.6525.0.6962.33.32.0.0.0.151.2164.26j4.30.0....0...1.1.64.psy-ab..3.10.948...0j0i67k1j0i30k1j0i10i30k1j0i8i30k1j0i24k1.0.L\\_ZweVK5F50#imgsrc=\\_9Va0m67cpW4KM:&spf=1508626745314](https://www.google.com/search?biw=1091&bih=562&tbm=isch&sa=1&q=post-licensure+monitoring+vaccine&oq=post-licensure+monitoring+vaccine&gs_l=psy-ab.3...2592.6525.0.6962.33.32.0.0.0.151.2164.26j4.30.0....0...1.1.64.psy-ab..3.10.948...0j0i67k1j0i30k1j0i10i30k1j0i8i30k1j0i24k1.0.L_ZweVK5F50#imgsrc=_9Va0m67cpW4KM:&spf=1508626745314)

# Vaccine Safety Systems

## Vaccine Safety Datalink

- Study rare vaccine side effects
- Seven large HMOs
- Six million people monitored
- Planned studies
- Timely investigations



# Vaccine Safety Systems



# A System Built on Science

State Agencies	DOH	VAC	State Health Officer
EBPH	NVAC	NIH	SAFETY
FDA	ACIP	CDC	HHS



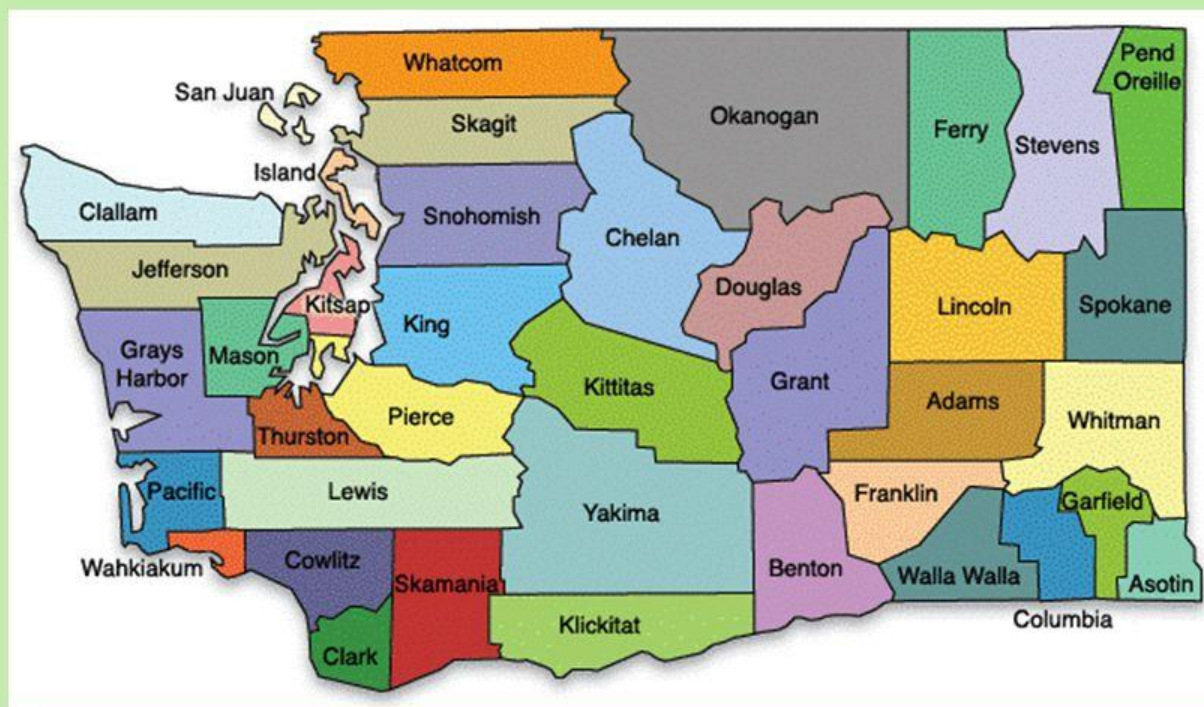
# A System Built on Science

PROVIDERS	COMMUNITY PARTNERS	Health Plans	
LHJ	Sovereign Tribal Nations		
OICP	CD-Epi	VAC	State Health Officer
EBPH	NVAC	NIH	SAFETY
FDA	ACIP	CDC	HHS



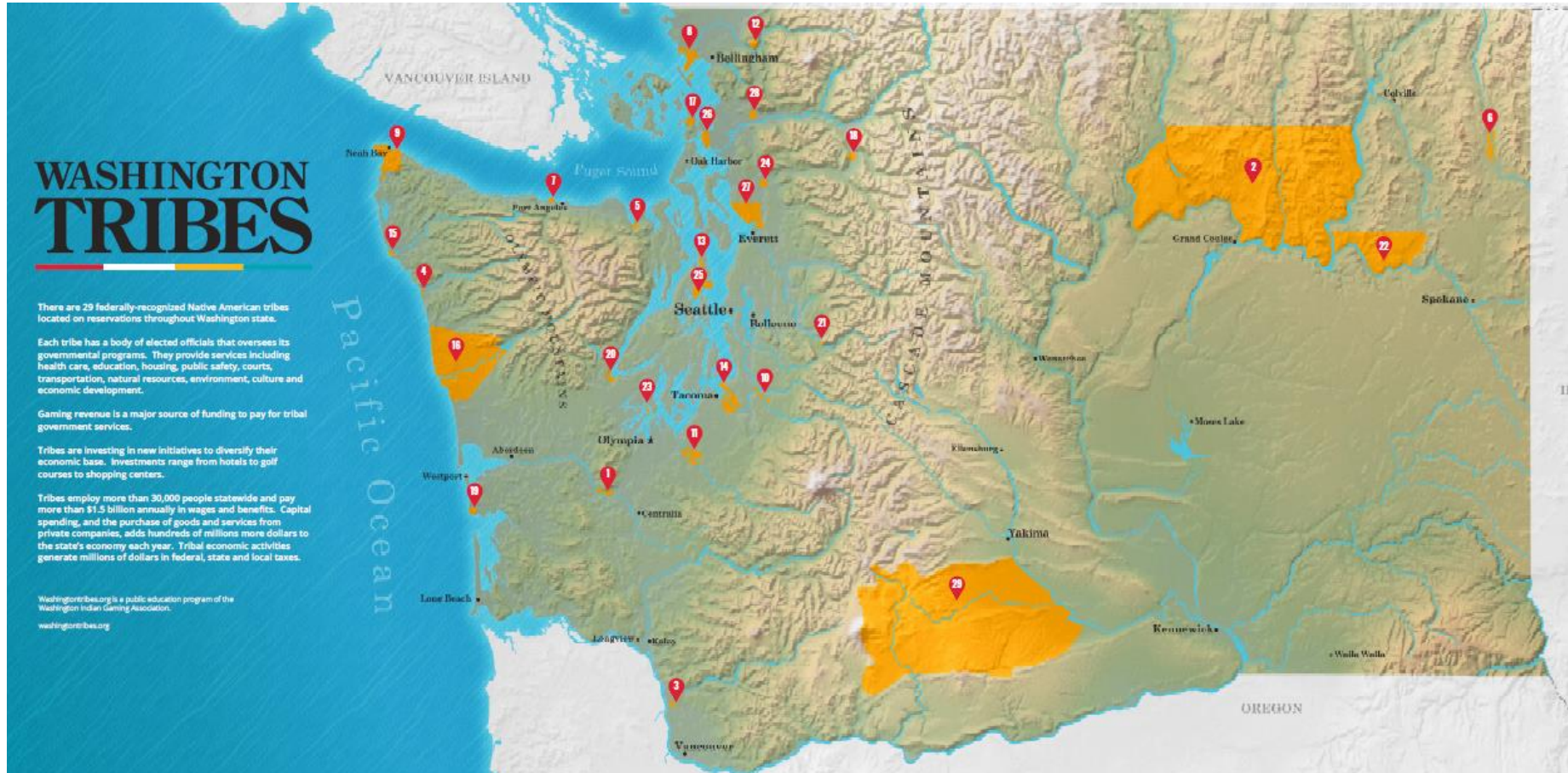
# Washington's Public Health System

- 39 counties
  - Home rule state
- State Department of Health
- 35 Local Public Health Agencies





# Federally-recognized Tribes in Washington



<http://www.washingtontribes.org/tribes-map>



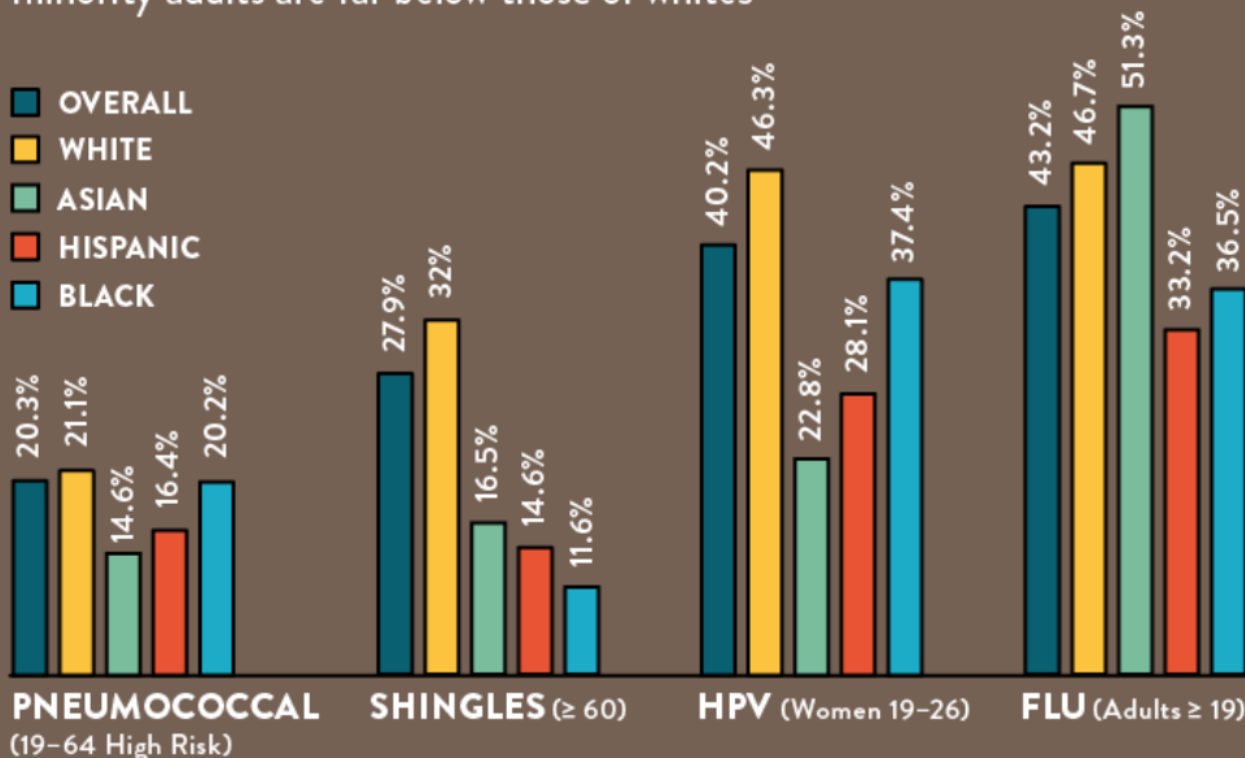
## Disparity and Equity

Minorities  
Receive  
Fewer  
Vaccines

**AVAC**  
ADULT VACCINE  
ACCESS COALITION

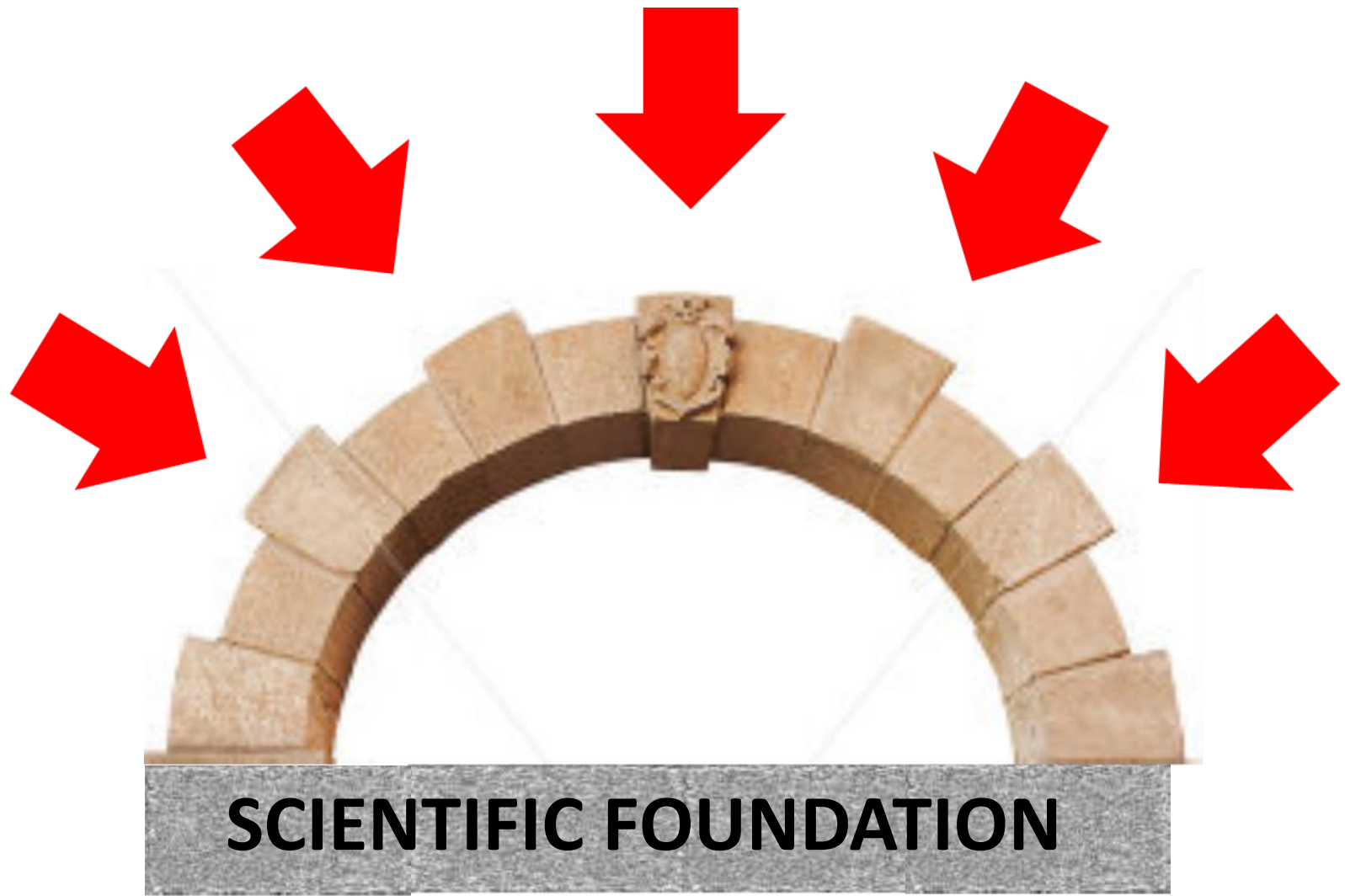
For most vaccines, immunization rates for minority adults are far below those of whites

■ OVERALL  
■ WHITE  
■ ASIAN  
■ HISPANIC  
■ BLACK



Surveillance of Vaccination Coverage Among Adult Populations — United States, 2014  
[http://www.cdc.gov/mmwr/volumes/65/ss/ss6501a1.htm?s\\_cid=ss6501a1\\_w](http://www.cdc.gov/mmwr/volumes/65/ss/ss6501a1.htm?s_cid=ss6501a1_w)

<http://www.adultvaccinesnow.org/2016/04/21/every-american-should-have-access-to-life-saving-vaccines/>







Goal: Healthy and Safe Communities



World Class  
Education



Prosperous  
Economy



Sustainable  
Energy and a  
Clean  
Environment



Healthy and  
Safe  
Communities



Efficient,  
Effective and  
Accountable  
Government

# HEALTHY PEOPLE

Provide access to good medical care to improve people's lives

## HEALTHY BABIES

1.1: Decrease the infant mortality rate for children under 1 year old from 5.1 per 1,000 births in 2012 to 4.4. per 1,000 births by 2020

1.1.a: Increase rate of infants whose mothers receive prenatal care in the first trimester from 72.4% in 2011 to 75.5% by 2018

1.1.b.1: Decrease percentage of infants born with low birth weight among Blacks from 9.6% to 6.4% by 2020

## HEALTHY YOUTH<sup>Y</sup> AND ADULTS<sup>A</sup>

1.2: Decrease percentage of adults reporting fair or poor health from 15% in 2011 to 14% by 2017

1.2.Y.a: Increase the percent of children (19 to 35 months) receiving all recommended vaccinations from 56.1% in 2014 to 62% in 2018

1.2.Y.b: Increase percentage of 10<sup>th</sup> graders with healthy weight from 75% in 2012 to 76% by 2019

1.2.Y.c: Increase the number of

1.2.A.a: Increase percentage of mental health consumers receiving a service within 7 days after discharge from 53.3% (January 2015 average) to 65% by June 2017

1.2.A.b: Maintain the number of adults receiving outpatient mental health services of 67,047 (January 2015 average) through June 2017

## ACCESS/PAY FOR QUALITY

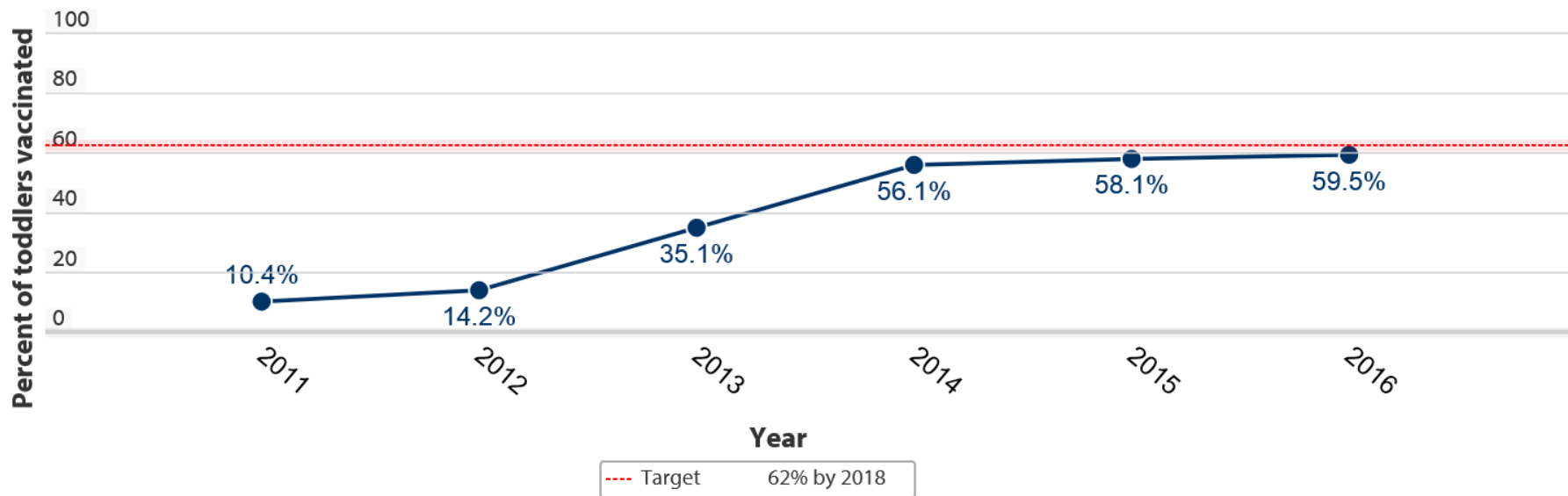
1.3: Decrease rate of uninsured in state from 15% to 6% by 2017

1.3.a: Constrain annual state-purchased health care cost growth to 1% less than national health expenditure trend by 2020

1.3.b: Meet or exceed Medicaid expansion enrollment target of 300,000 by 2016



1.2.Y.a: Increase the percent of children (19 to 35 months) receiving all recommended vaccinations from 56.1% in 2014 to 62% in 2018



# Three Buckets of Prevention



Auerbach J., The 3 Buckets of Prevention. Journal of Public Health Management and Practice 2016.  
[http://journals.lww.com/jphmp/Citation/publishahead/The\\_3\\_Buckets\\_of\\_Prevention\\_.99695.aspx](http://journals.lww.com/jphmp/Citation/publishahead/The_3_Buckets_of_Prevention_.99695.aspx)



# RESOURCES

**Information for the public:**

<https://www.doh.wa.gov/YouandYourFamily/Immunization>

**For providers:**

<https://www.doh.wa.gov/ForPublicHealthandHealthcareProviders/PublicHealthSystemResourcesandServices/Immunization>

**About the IIS:**

<https://www.doh.wa.gov/ForPublicHealthandHealthcareProviders/HealthcareProfessionsandFacilities/DataReportingandRetrieval/ImmunizationInformationSystem>

**About school requirements:**

<https://www.doh.wa.gov/CommunityandEnvironment/Schools/Immunization/VaccineRequirements>

**Clinical questions:**

[immunenurses@doh.wa.gov](mailto:immunenurses@doh.wa.gov)





# Vaccine Science: Protecting Our kids, our families, and our community

2017

**HPV VACCINE**  
IS CANCER PREVENTION  
*Champion*

WINNER

# CERTIFICATE OF ACHIEVEMENT

Presented to

**International Community  
Health Services**

In recognition of your commitment to HPV cancer prevention  
by achieving high HPV vaccination rates among adolescent patients.



# QUESTIONS

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